

FIG. 1A

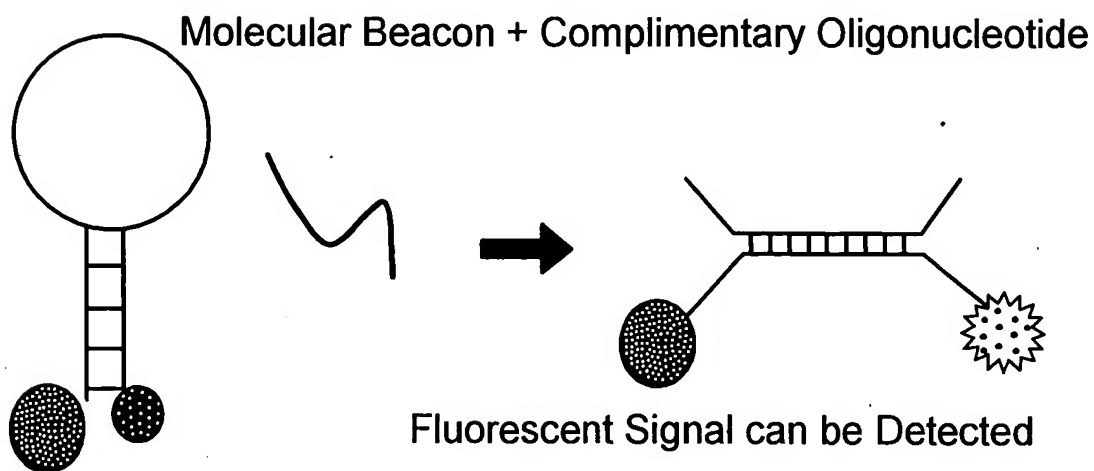


FIG. 1B

Molecular Beacon on Spectrally Encoded
Microspheres + Target Oligonucleotide

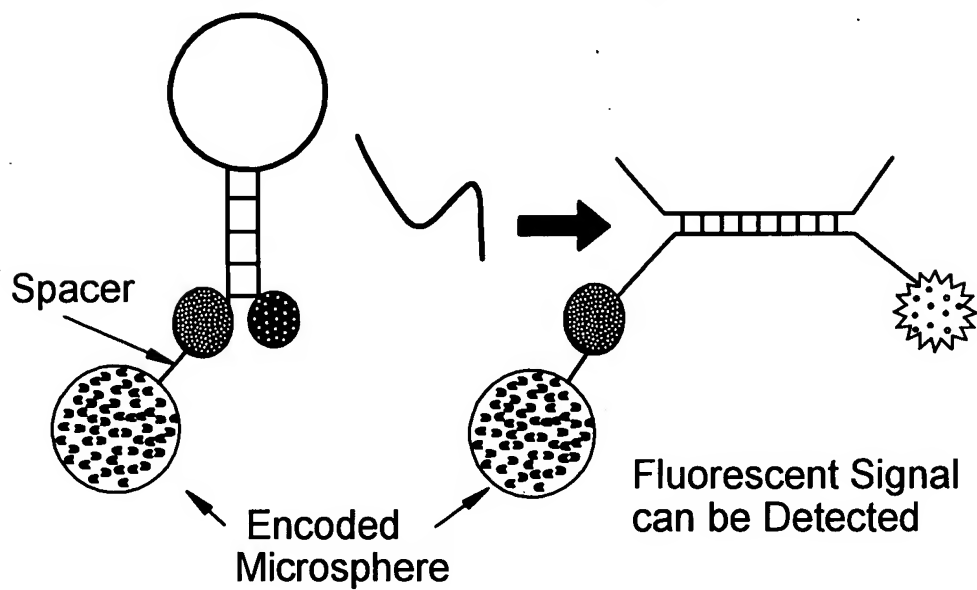


FIG. 2

Molecular Beacons on Qbead
Microspheres + Target Oligonucleotide

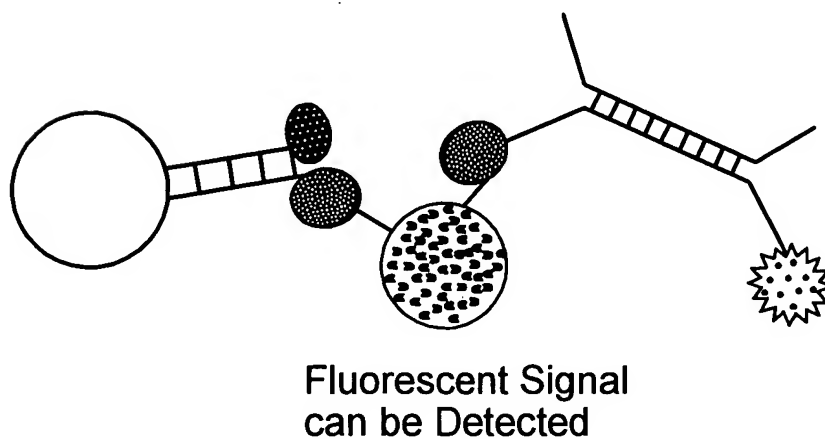


FIG. 3

Modified Molecular Beacon

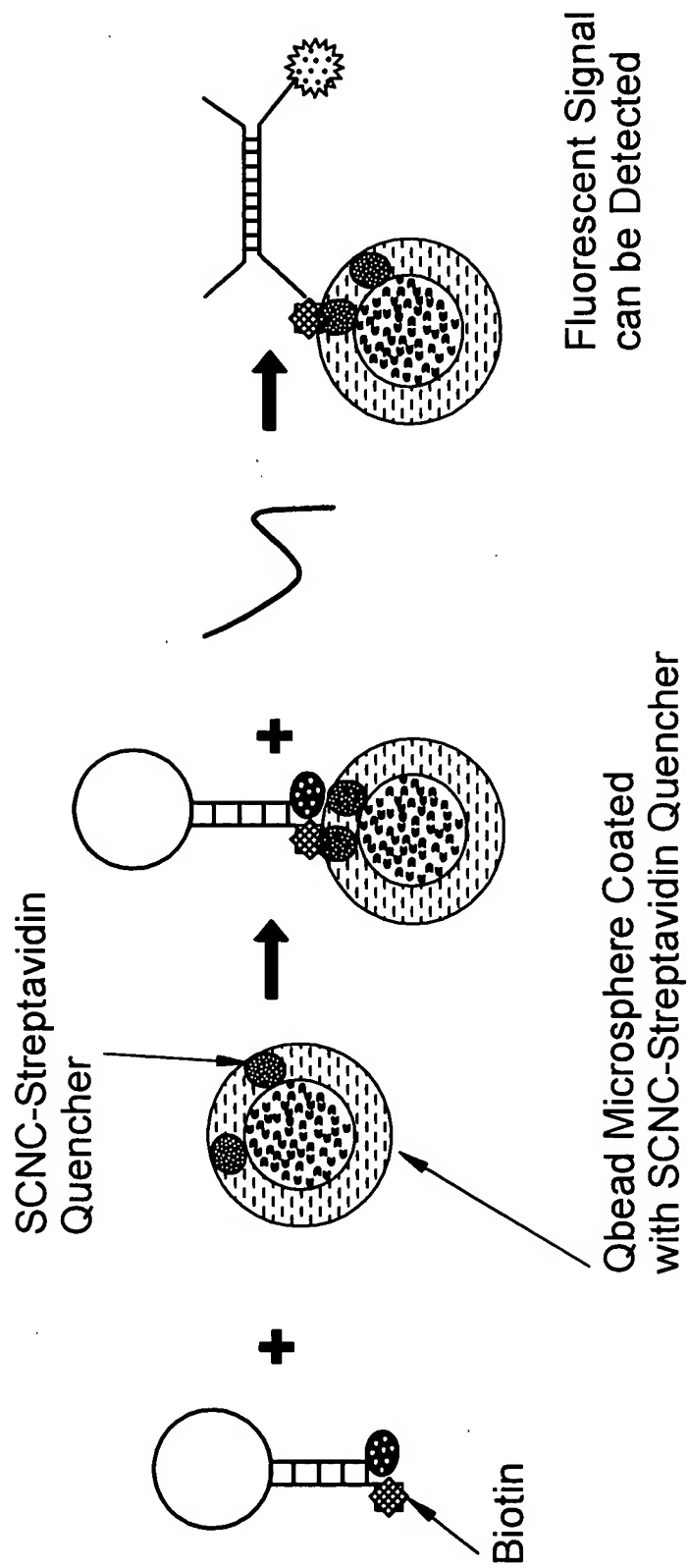


FIG. 4

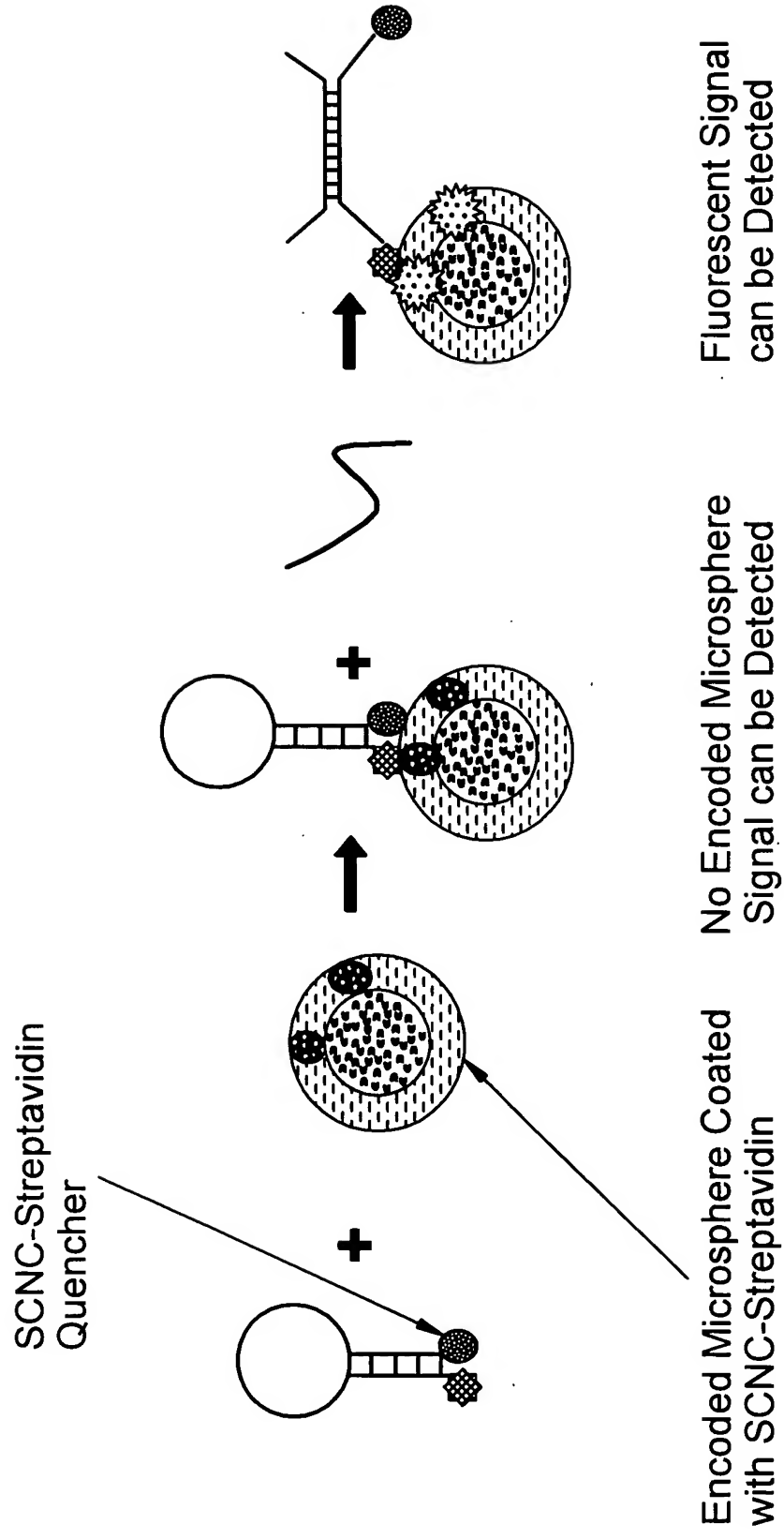


FIG. 5

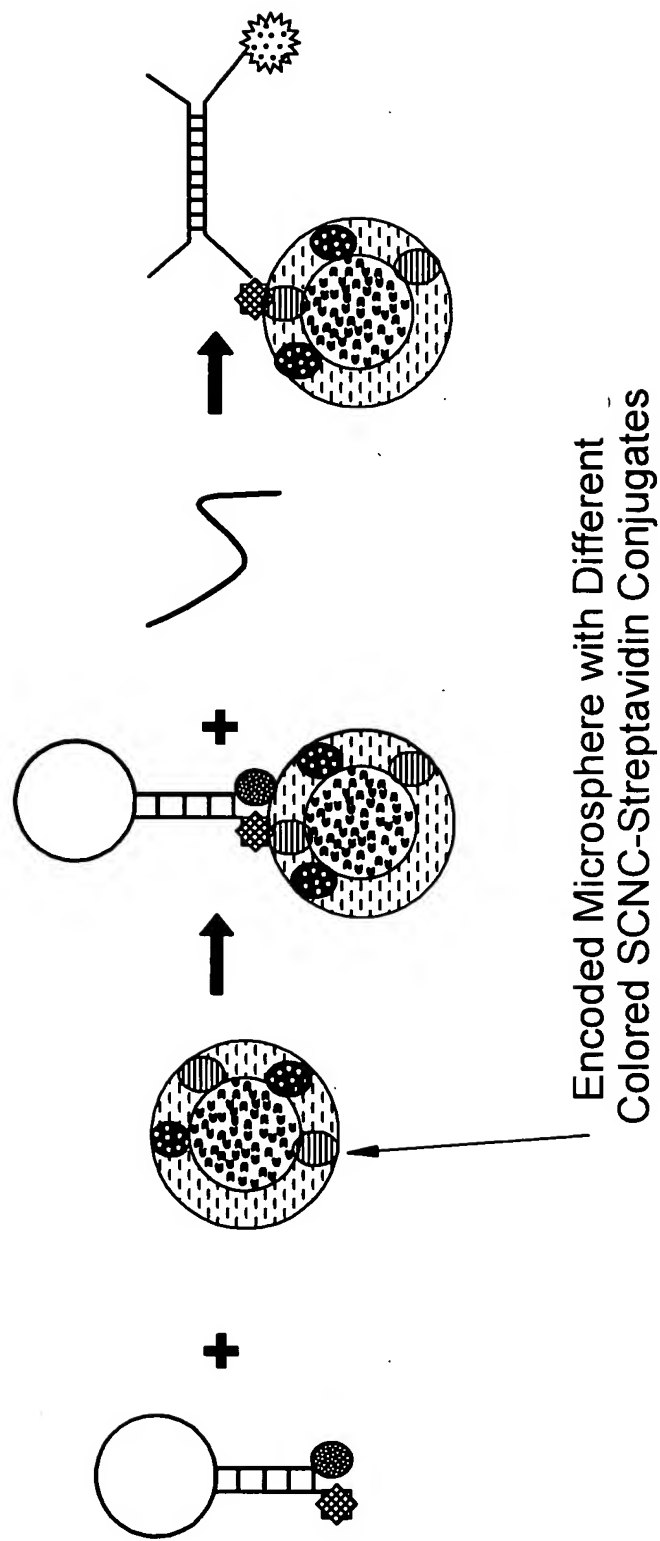


FIG. 6

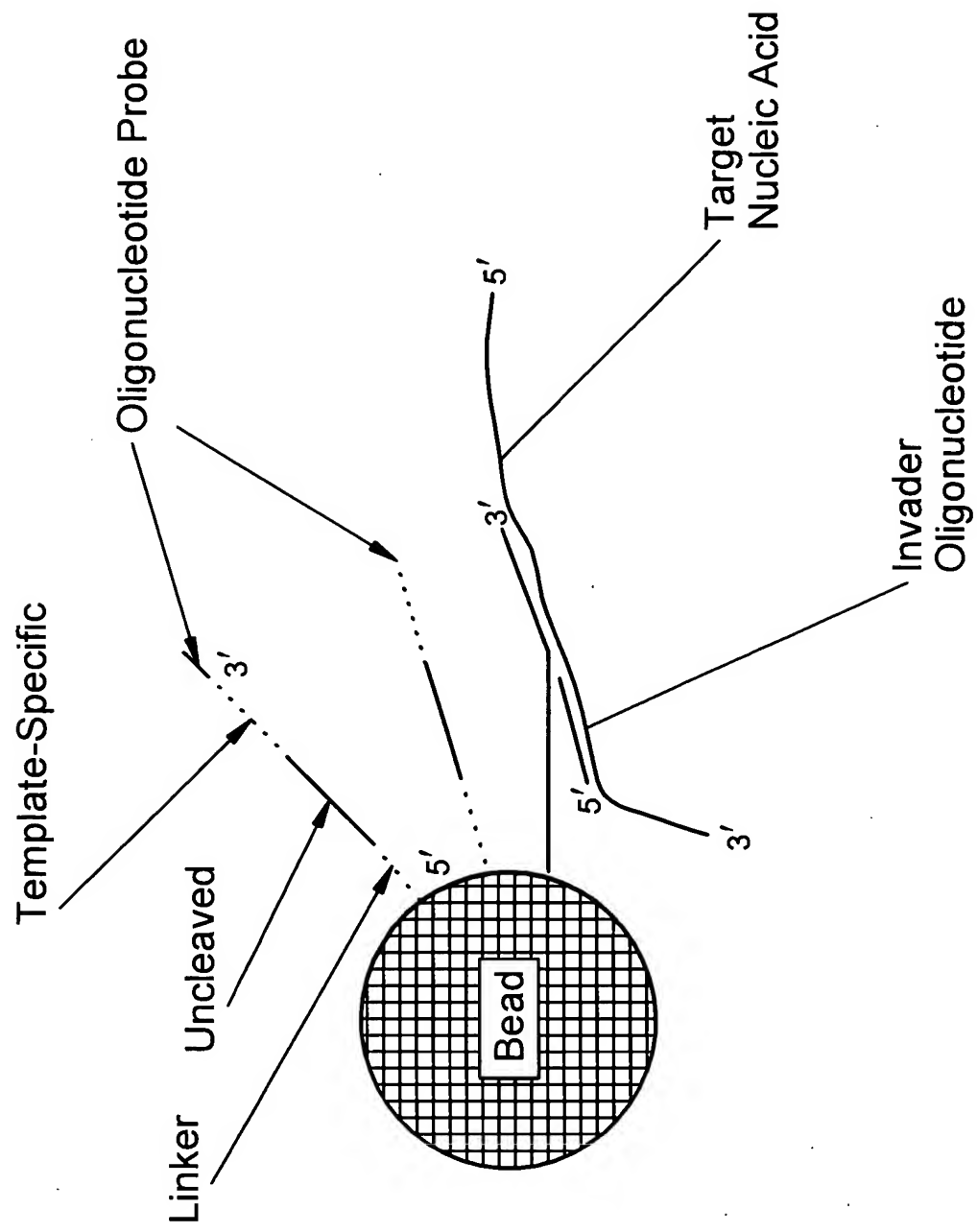


FIG. 7A

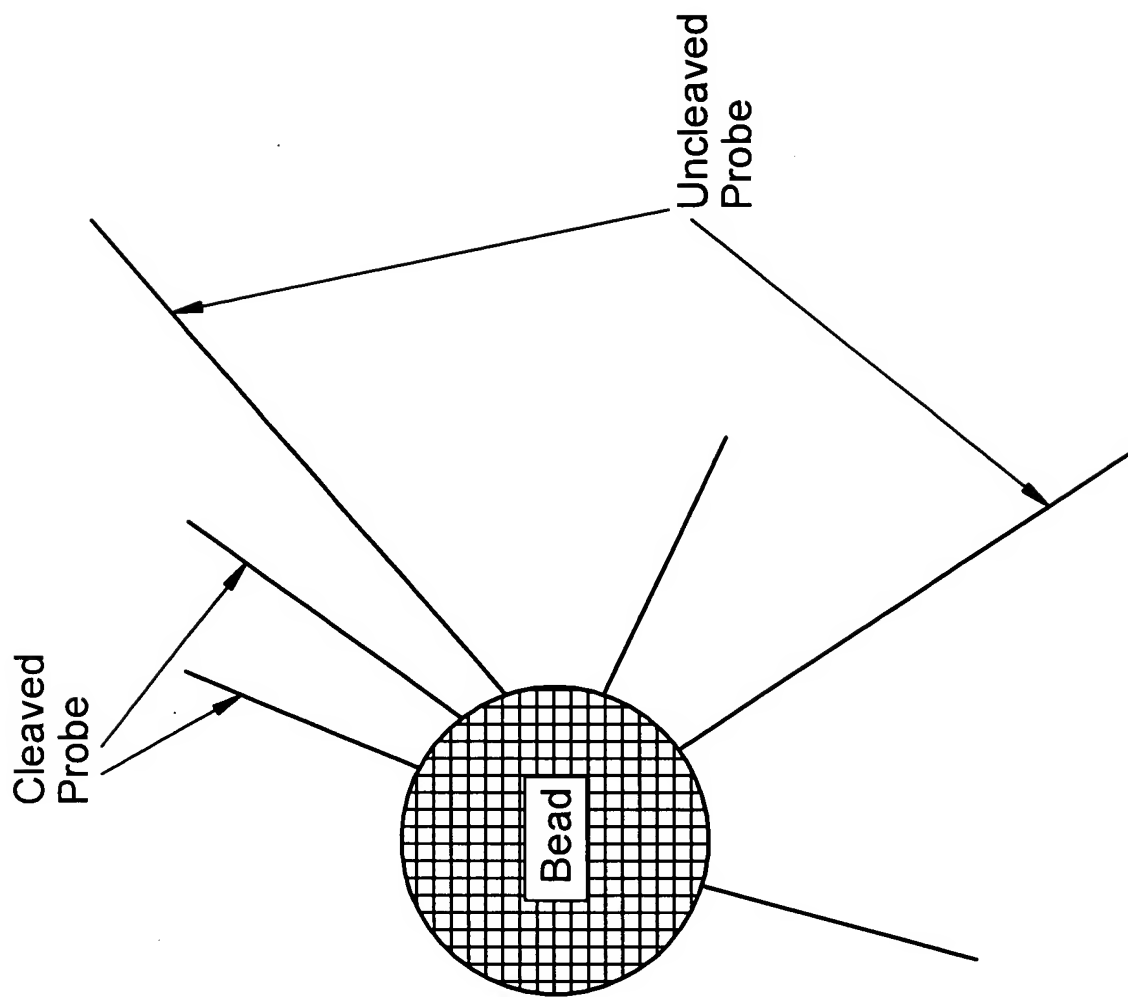


FIG. 7B

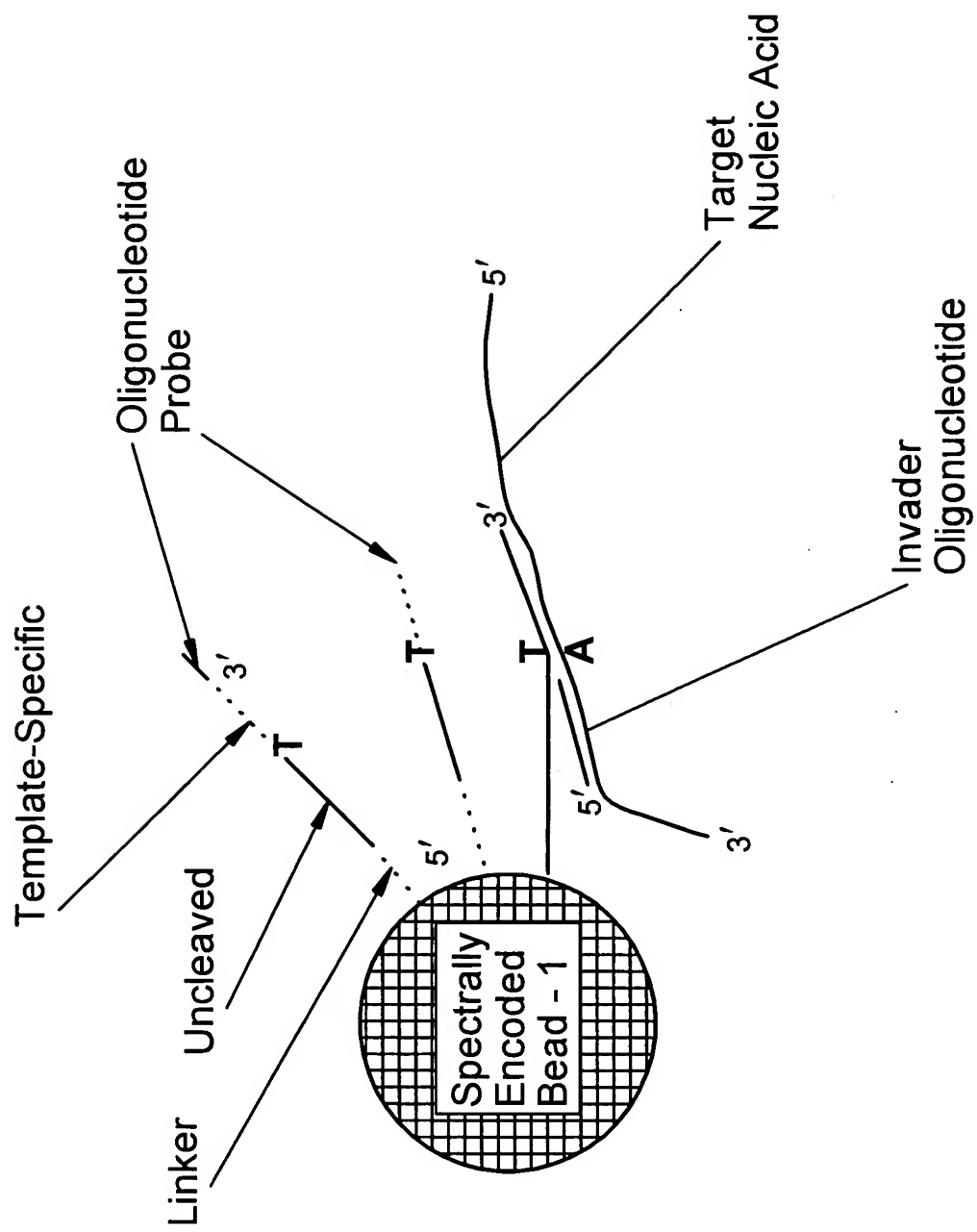


FIG. 8A

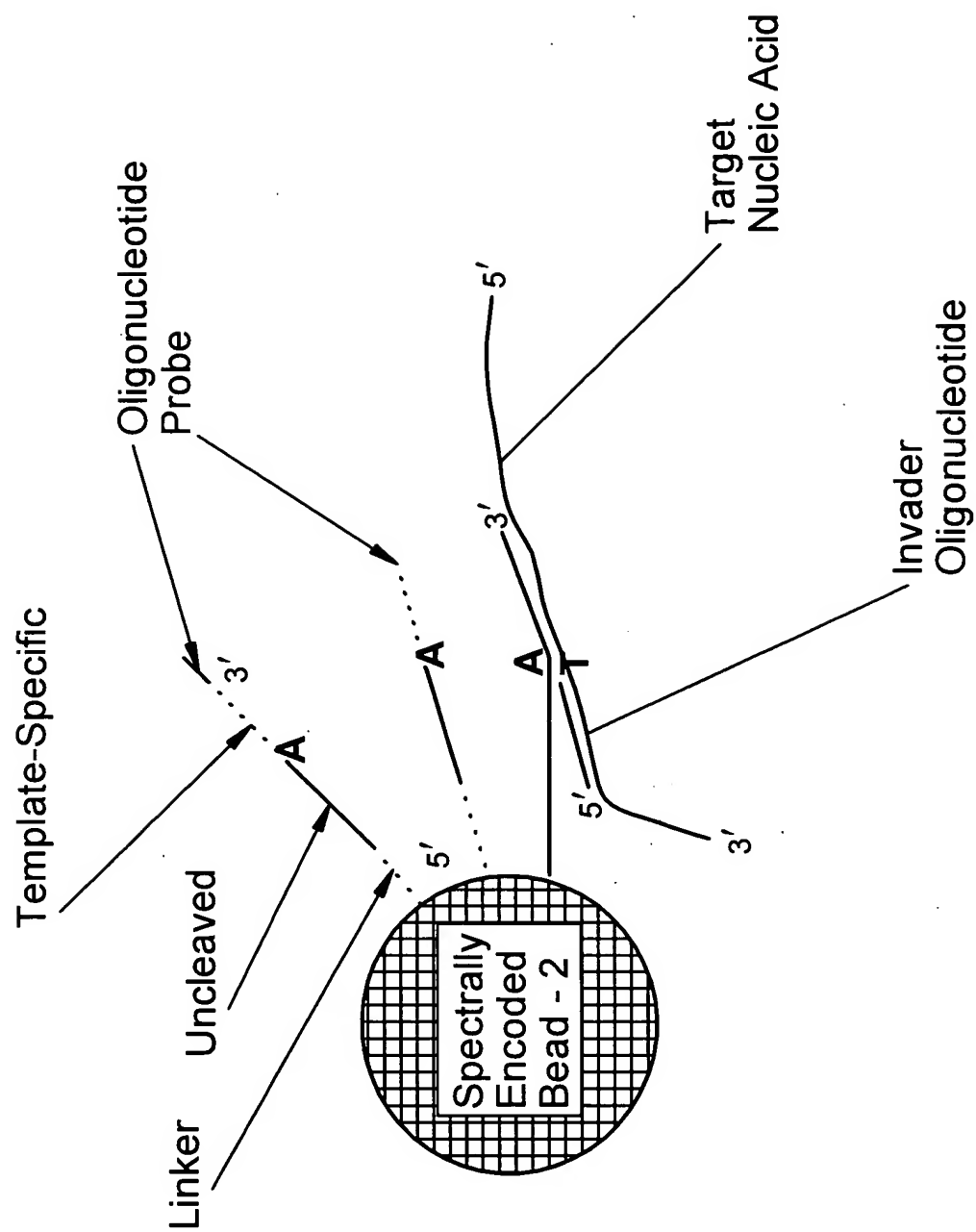


FIG. 8B

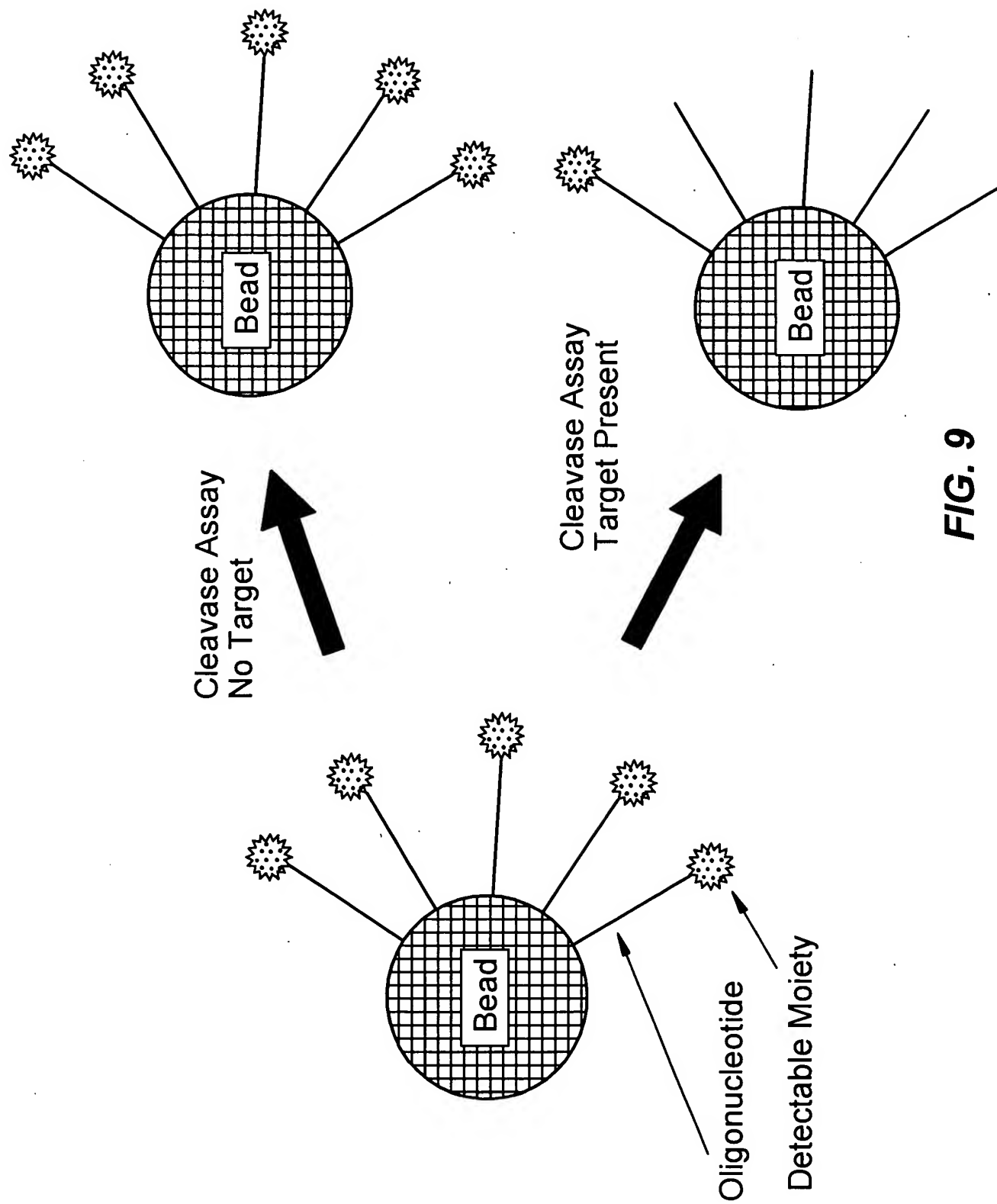


FIG. 9

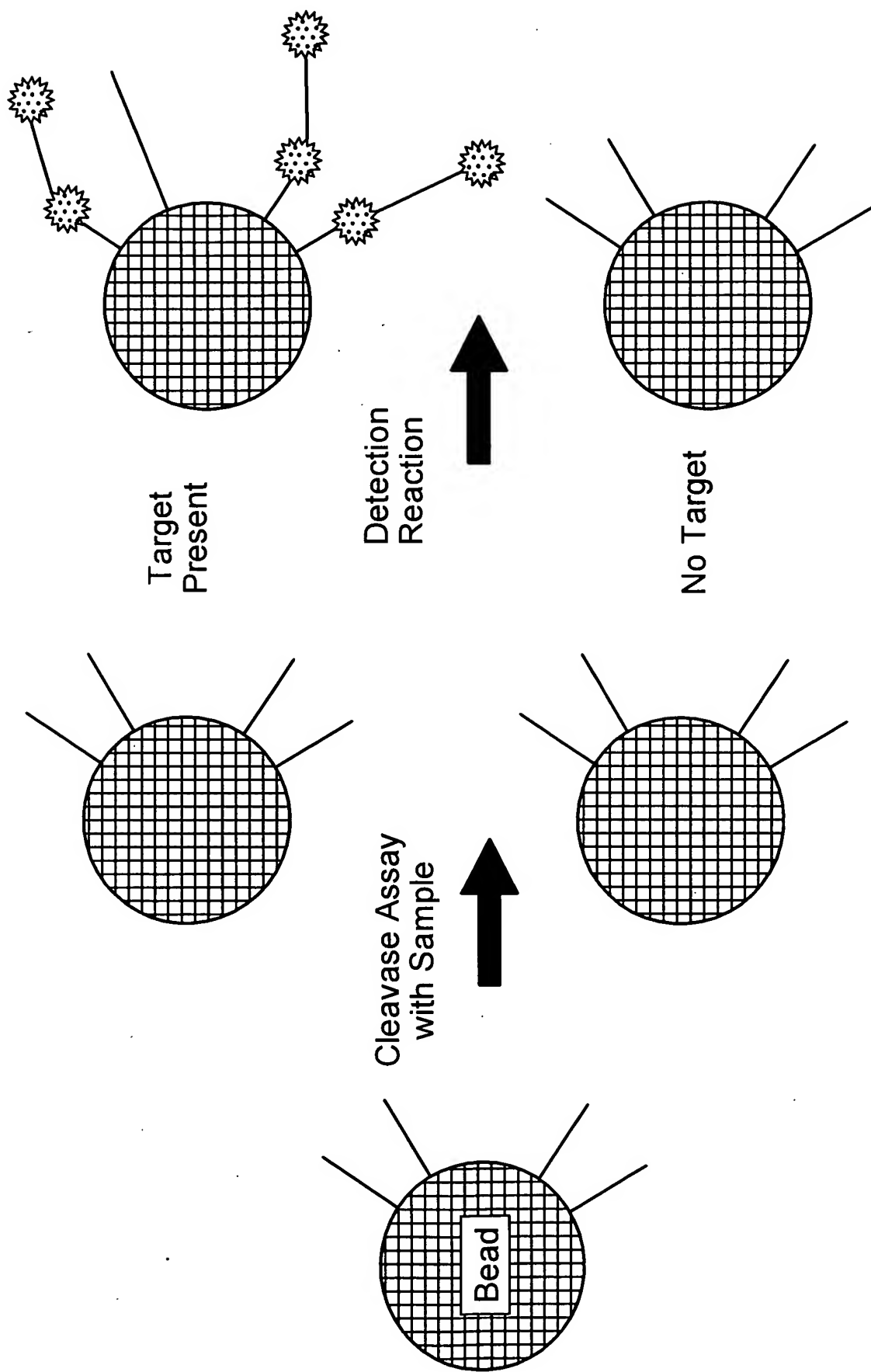
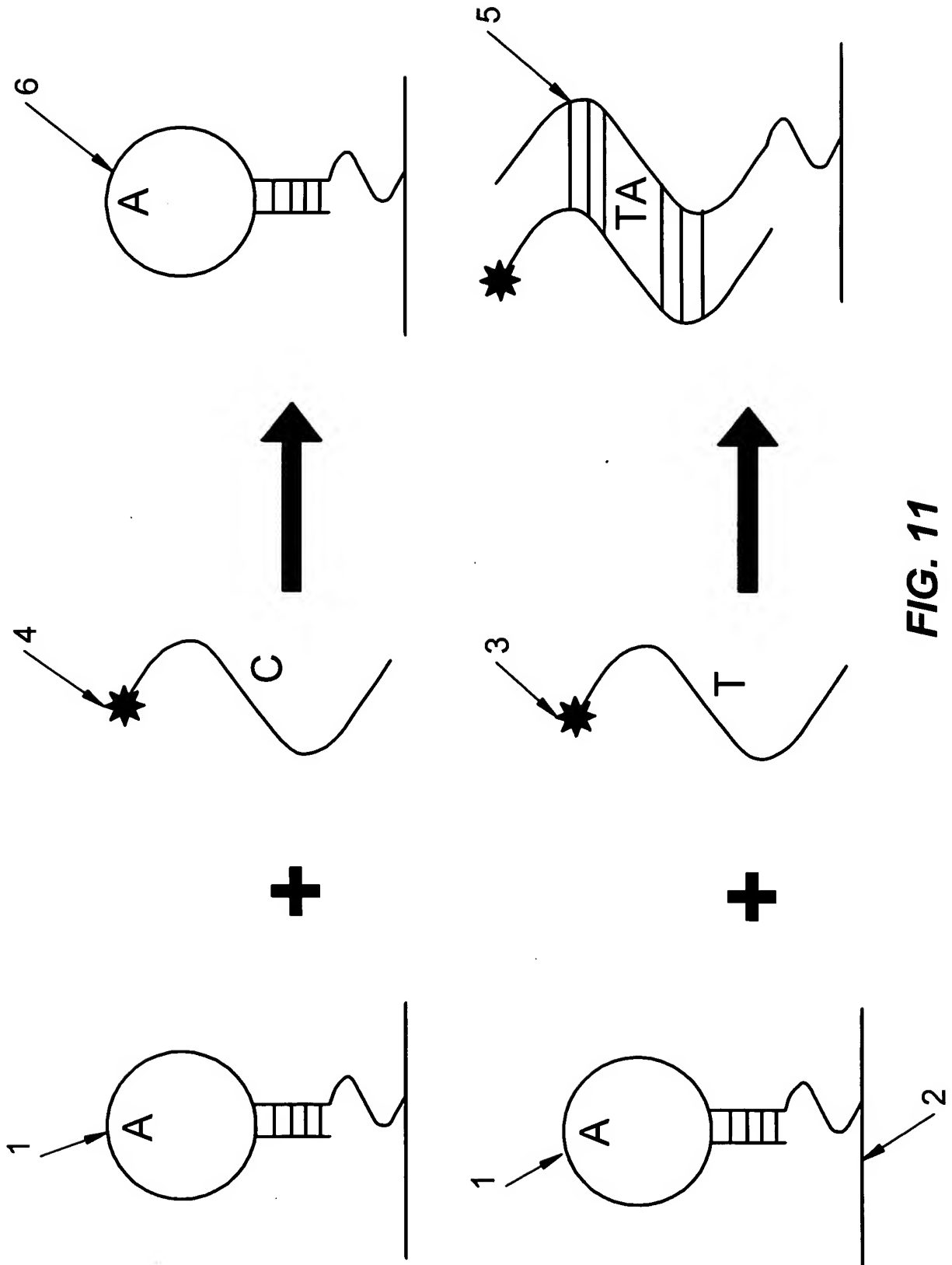


FIG. 10



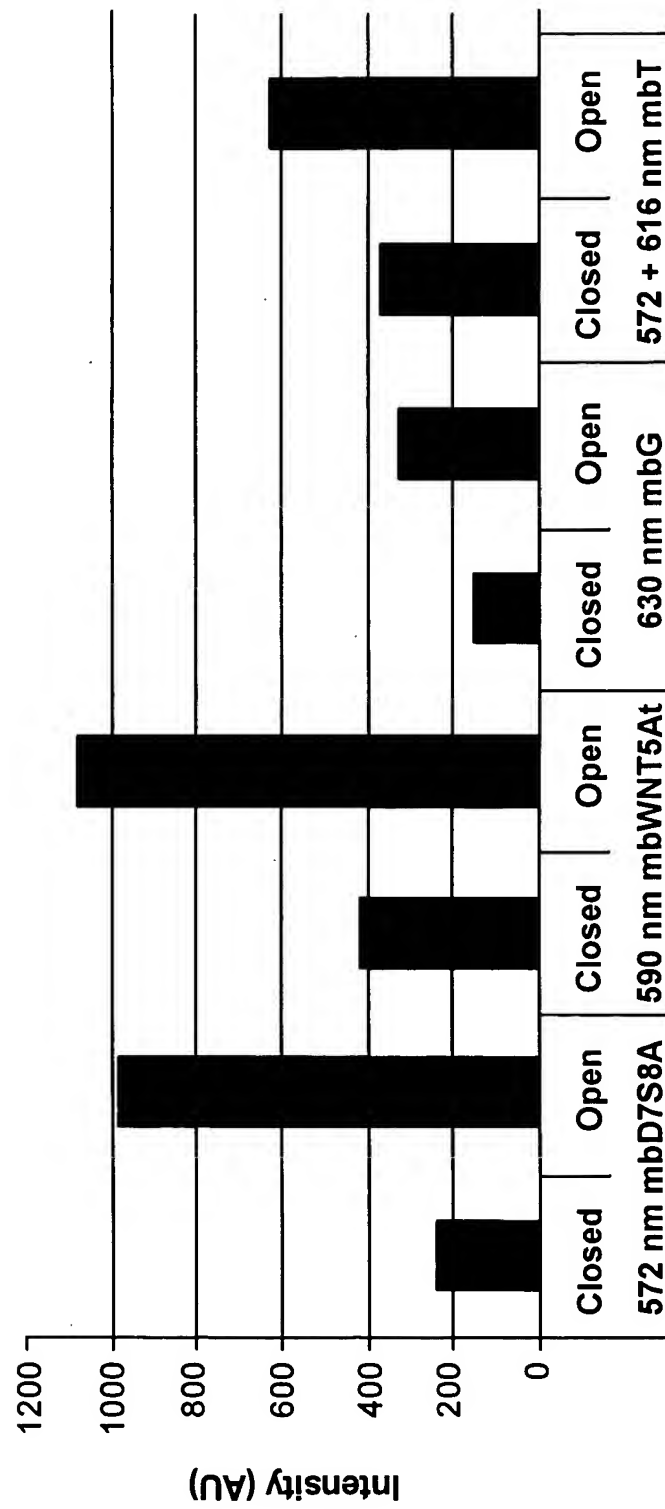
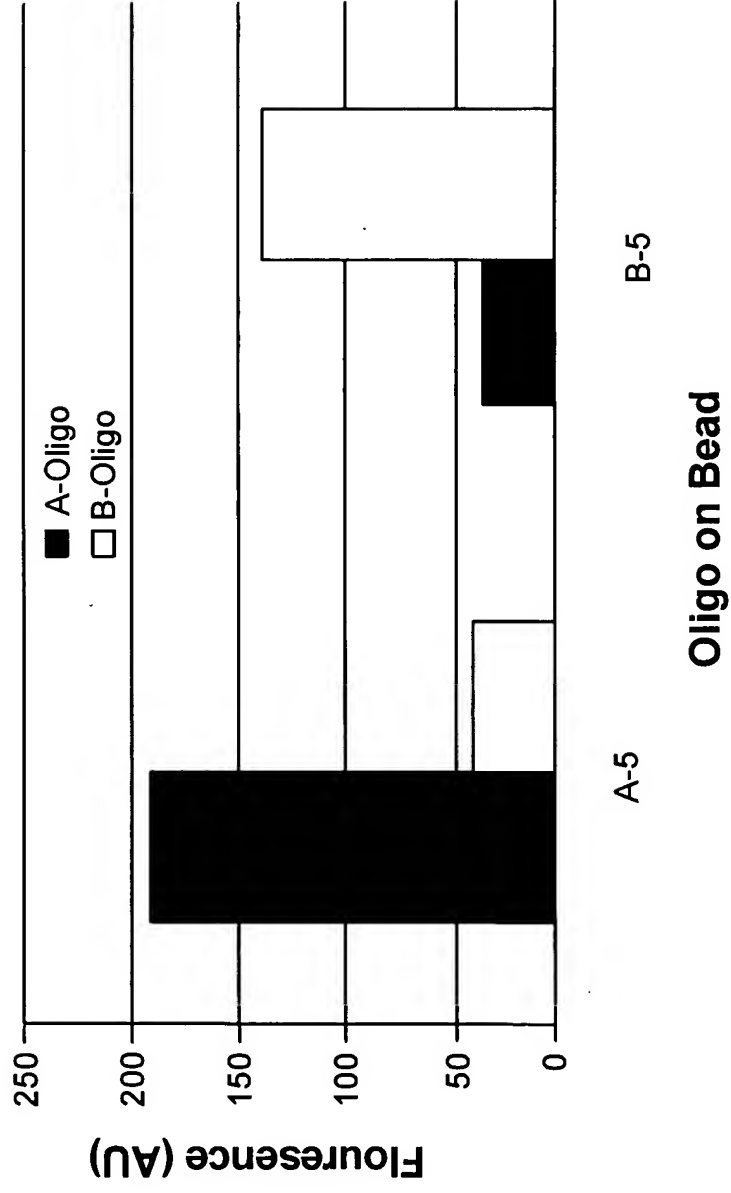


FIG. 12



| Complementary Oligo | | |
|---------------------|---------|---------|
| Bead | A-Oligo | B-Oligo |
| A-5 | 191 | 41 |
| B-5 | 35 | 138 |

FIG. 13

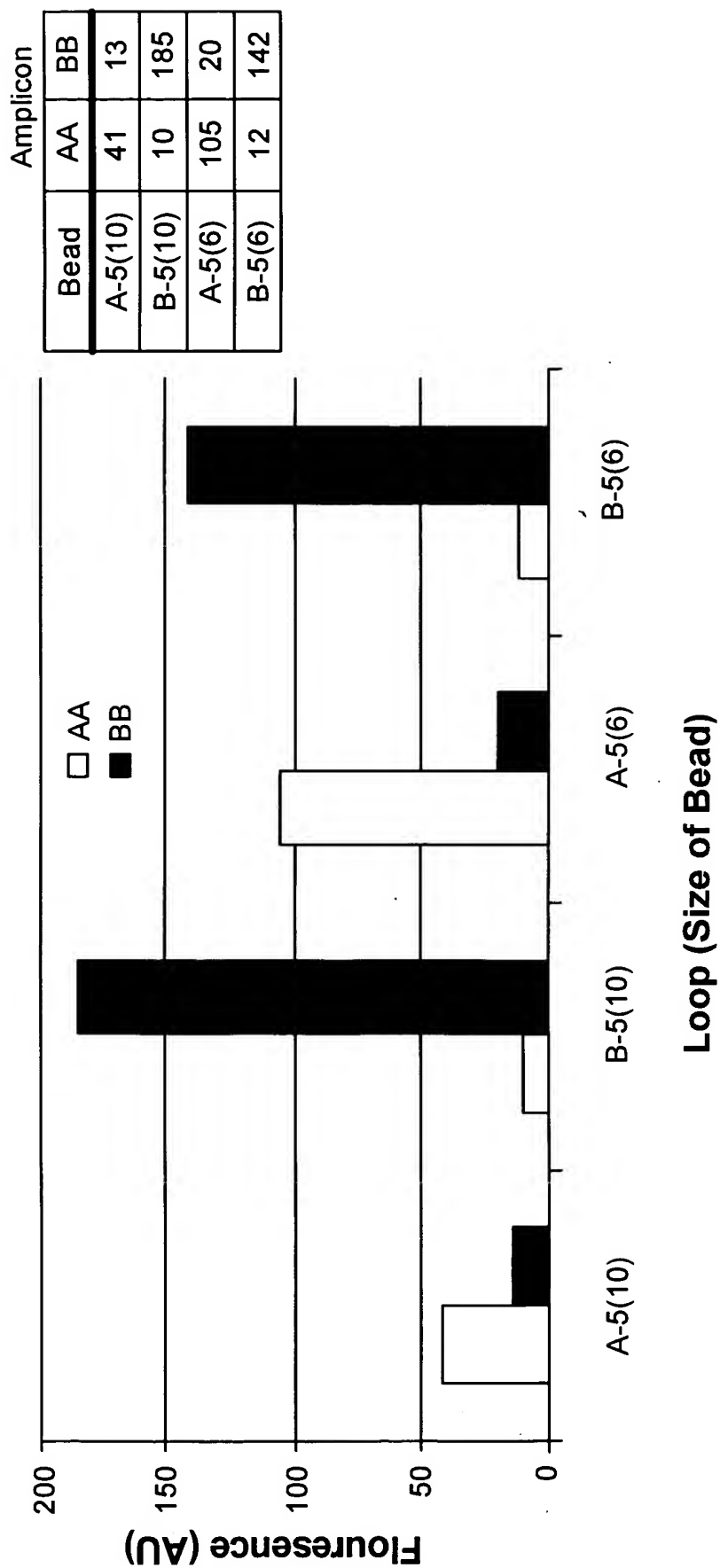


FIG. 14

Allelic Discrimination of Three Genomic DNAs at D7S8 Locus with Molecular Beacon Assay on Different Colors Qbeads

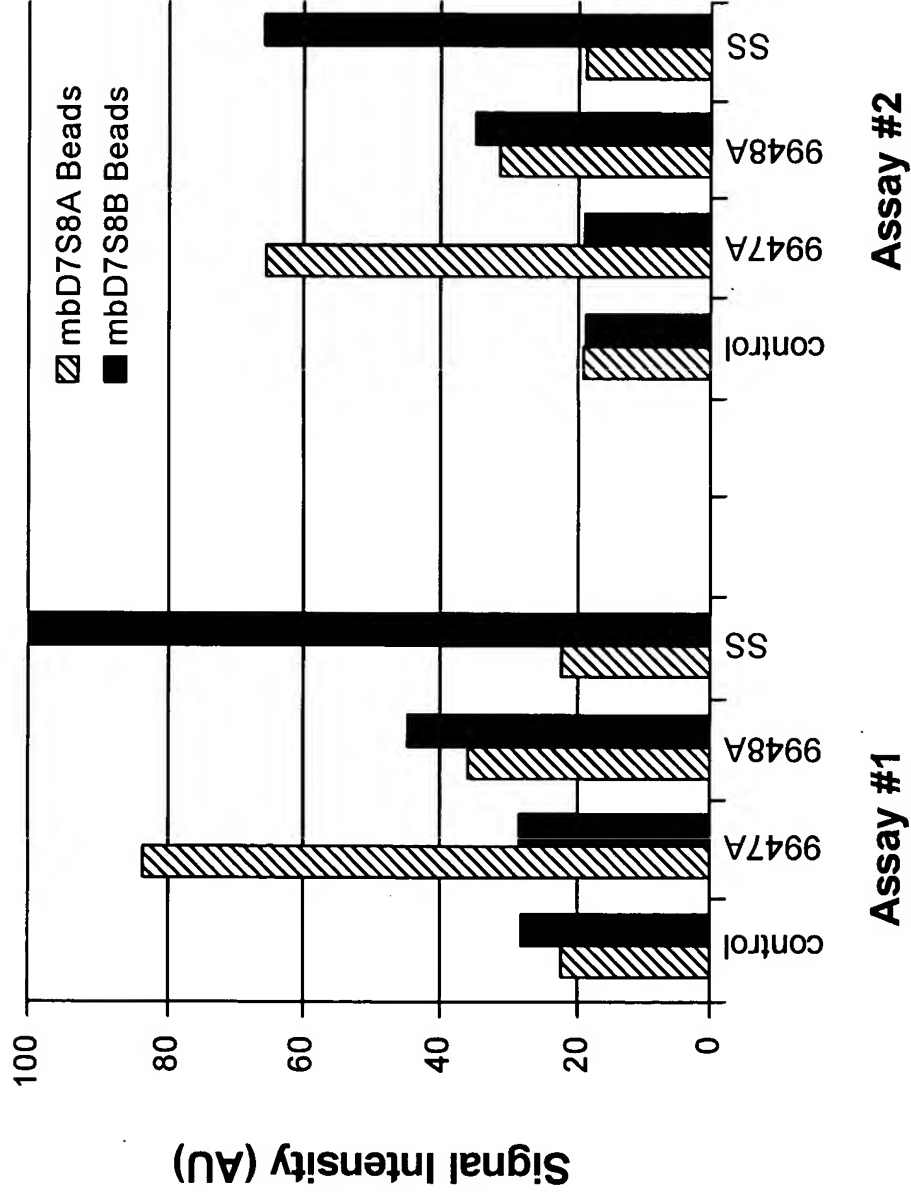


FIG. 15